5   **METHOD AND APPARATUS FOR INCREASING TRANSACTION
CONCURRENCY BY EARLY RELEASE OF LOCKS IN GROUPS**

ABSTRACT

Activity Duration Locking (ADL) provides an efficient simple solution to

10   manage a potentially large number of concurrently active lock groups. The ADL

scheme allows a transaction fine control over creation of lock groups and

classification of locks into lock groups enabling faster releasing of locks in groups.

The life time that the lock group is active defines a new lock duration. This allows a

large number of lock durations to be defined with the creation of each new lock group

15   and any number of lock durations can be active for a given transaction. A very

general concept of lock duration is supported without using any a priori semantics to

individual lock durations and the duration of a lock group may be determined by the

transaction as desired.

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